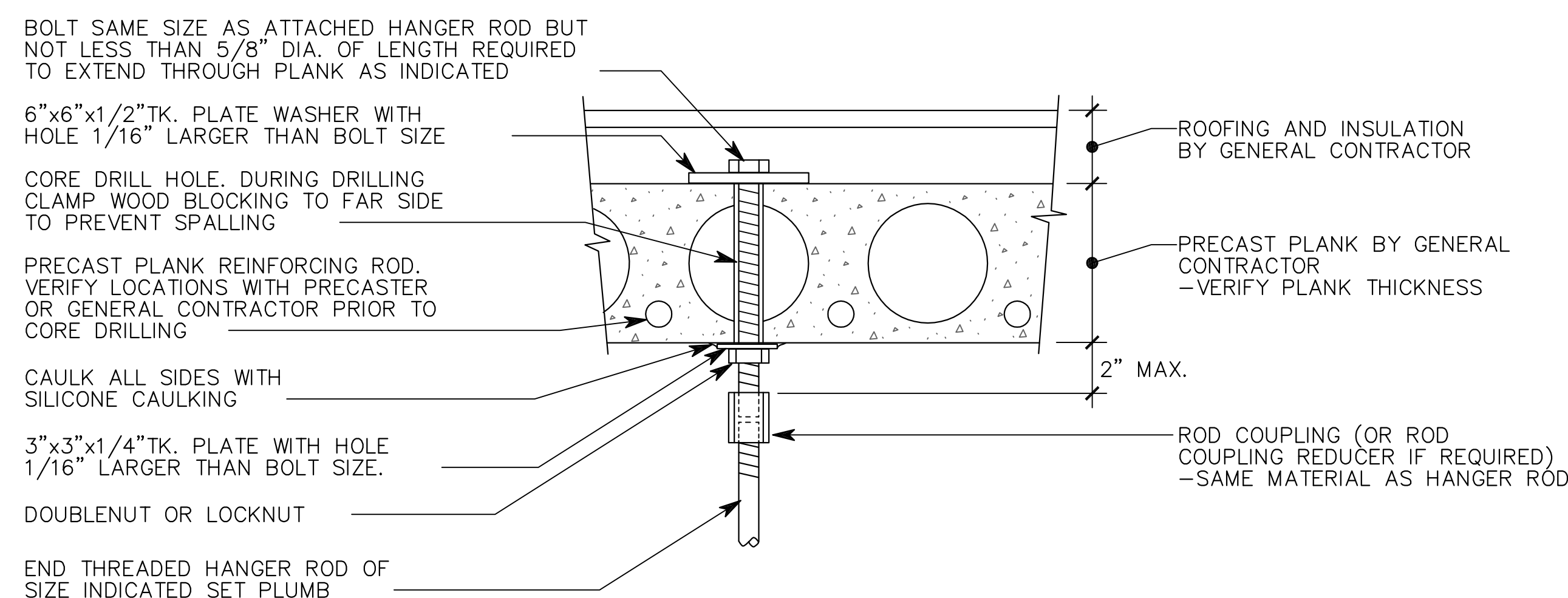


D



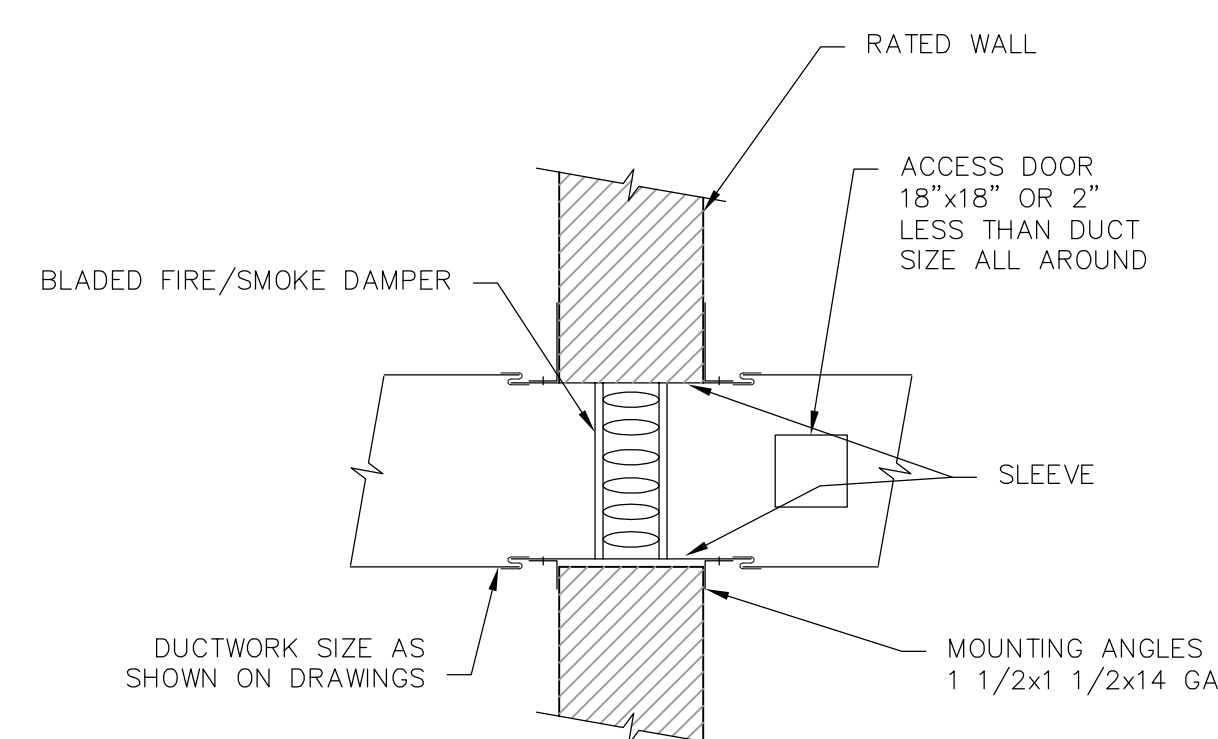
CURB CAP FASTENING DETAIL

NO SCALE

M6.6	M6.6
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**HANGER SUPPORT
AT PRECAST PLANK DETAIL**

NO SCALE



BLANK-OFF
LIVER THRU EXTERIOR WALL

NO SCALE

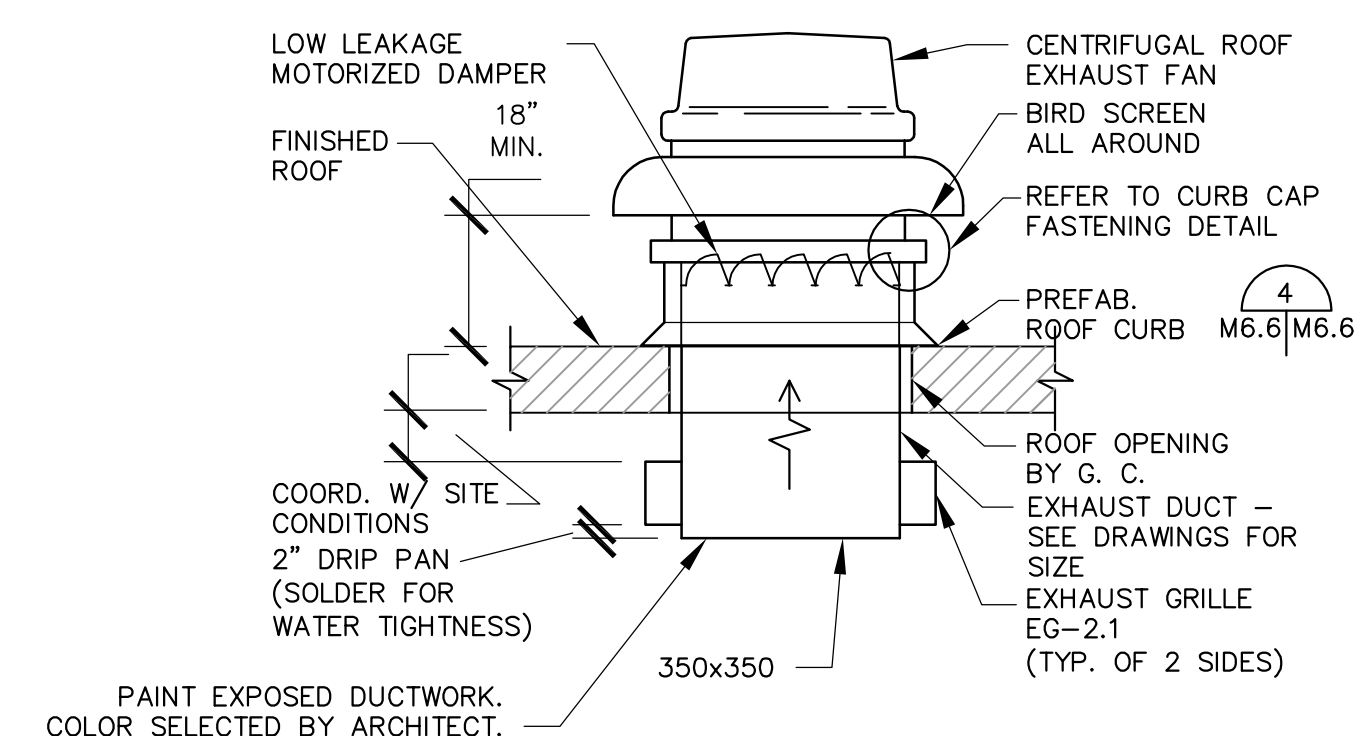
M2 4	M6 6

VERTICAL FIRE/SMOKE DAMPER DETAIL

NO SCALE

NO SCALE

M2.8	M6.6
M2.9	



**CENTRIFUGAL ROOF
EXHAUST FAN W/DRIP PAN**

NO SCALE

3

M2.4 | M6.6

I hereby certify this drawing
was prepared by me or under
my direct supervision and that
I am a duly registered
architect under the laws of
the State of Minnesota.

For: Mead & Hunt
By: *R. Schuch, E. Lowenstein*
Title: Project Manager
Registration No: 22452

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A

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A

CABINET UNIT HEATER (CUH) SCHEDULE

MARK	MANUFACTURER, MODEL NUMBER	FLOWRATE		EAT		LAT		MEDIA TYPE	HEATING					CABINET SIZE					FAN MOTOR			ELECTRICAL (VOLT/PHASE)	① MOUNTING		LOCATION	REMARKS			
		L/S	CFM	C"	F"	C"	F		CAPACITY		FLOWRATE			DEPTH		LENGTH		HEIGHT		KW	HP		RPM	HEIGHT					
									KW	MBH	L/S	GPM	Kg/S	PPH	MM	IN	MM	IN	MM					IN			M	FT	TYPE
CUH-2.1	Q-MARK, CDF-558	118	250	7.2	45	33.9	93	ELECTRIC	5	17.1	-	-	-	-	254	10	914.4	36	670	26 3/8	-	-	-	208/1	CLG	CLG	C	1159	②③
CUH-2.2	Q-MARK, AWH-4404	47.2	100	7.2	45	22.8	73	ELECTRIC	3	10.2	-	-	-	-	89	3.5	365	14	464	18	-	-	-	208/1	0.25	0.75	S	2159	②
CUH-2.3	Q-MARK, AWH-4404	47.2	100	7.2	45	22.8	73	ELECTRIC	3	10.2	-	-	-	-	89	3.5	365	14	464	18	-	-	-	208/1	0.25	0.75	S	3159	②
CUH-2.4	Q-MARK, AWH-4404	47.2	100	7.2	45	22.8	73	ELECTRIC	3	10.2	-	-	-	-	89	3.5	365	14	464	18	-	-	-	208/1	0.25	0.75	S	4159	②
CUH-2.5	Q-MARK, CU945	12700	500	7.2	45	26.7	80	ELECTRIC	10	34.1	-	-	-	-	254	10	1194	47	670	26 3/8	-	-	-	208/1	0.5	1.5	W	103	②
MOUNTING TYPES		REMARKS:																											
R S C F W	RECESSED SEMI-RECESSED CEILING FLOOR STANDING WALL	① MOUNTING HEIGHT SHALL BE FROM FINISHED FLOOR TO BOTTOM OF UNIT.																											
		② PROVIDE DISCONNECT SWITCH AND INTEGRAL TAMPER RESISTANT THERMOSTAT.																											
		③ CEILING MOUNTED UNITS SHALL BE EQUIPPED WITH ACCESSORIES REQUIRED FOR CEILING TYPE.																											

AIR OUTLETS AND INLETS SCHEDULE

MARK	MANUFACTURER, MODEL NUMBER	APPLICATION	INLET/ OUTLET	TYPE	MTG. SYST.	DAMPER	OVERALL SIZE		NECK SIZE		CONSTRUCTION MATERIAL	ACCESSORIES	① MOUNTING HEIGHT		LOCATION	REMARKS
							MM	IN	MM	IN			M	FT		
CD-2.1	CARNES, SKTA20	SUPPLY	1	9	1	OB	610x610	24x24	300x300	12x12	ALUM.	EQUALIZING DEFLECTOR	-	CLG.	CORR.	TWO-WAY BLOW PATTERN
EG-2.1	CARNES RTLA	EXHAUST	3	3	4	N	250x350	8x14	150x300	6x12	STEEL	-	DUCT	DUCT	103 STAIR	-
ER-2.1	CARNES, RTLA	EXHAUST	2	3	2	OB	203x203	8x8	152x152	6x6	STEEL	-	-	CLG.	REFER TO PLAN	-
SR-2.1	CARNES, RTLA	SUPPLY	2	3	2	OB	203x203	8x8	152x152	6x6	STEEL	-	-	CLG.	REFER TO PLAN	-
SG-2.1	CARNES, RSLA FILTER	SUPPLY	3	3	3	N	650x650	26x26	600x600	24x24	STEEL	-	1.7	5.5	103 STAIR	TO FIT 24"x24"x1" FILTER
INLET/OUTLET		TYPE				MOUNTING SYSTEM					DAMPER LEGEND					
1	DIFFUSER	1	SINGLE DEFLECTION	8	EGGCRATE	B	BUTTERFLY	N	NONE							
2	REGISTER	2	DOUBLE DEFLECTION	9	LOUVERED	G	GRAVITY	OB	OPPOSED BLADE							
3	GRILLE	3	FIXED BLADE	10	HOODED	MP	MOTOR OPERATED-PNEUMATIC	OB	PARALLEL BLADE							
4	LOUVER	4	PERFORATED	11	DOOR TRANSFER	ME	MOTOR OPERATED-ELECTRIC									
5	PENTHOUSE	5	LINEAR	12	BRICK											
6	VENT	6	SLOT	13	PUNKAH											
7	DRUM	7	DRUM													
REMARKS:																
① MOUNTING HEIGHT SHALL BE FROM FINISHED FLOOR TO TOP OF OPENING.																

GENERAL NOTES:

1. REFERENCES TO BRAND NAME PRODUCT LISTINGS IN THE PLANS AND SPECIFICATIONS PERTAINING TO EQUIPMENT, MATERIAL, ARTICLES OR CATALOG NUMBER SHALL BE REGARDED AS ESTABLISHING A STANDARD OF QUALITY AND IS FOR INFORMATIONAL PURPOSES. PRODUCTS OF OTHER MANUFACTURERS MAY BE USED SUBJECT TO APPROVAL BY THE CONTRACTING OFFICER. THE GOVERNMENT IS MAKING NO WARRANTY OF AVAILABILITY OR FITNESS OF THE PRODUCTS FOR USE.

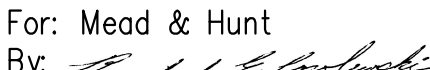
PACKAGED TERMINAL AIR CONDITIONER (PTAC) SCHEDULE

MARK	MANUFACTURER, MODEL NUMBER	COOLING CAP.				HEATING CAP.		SUPPLY AIR FLOW		MINIMUM OUTDOOR AIR FLOW		ELECTRICAL (VOLTS/ PHASE)	ACCESSORIES	LOCATION	REMARKS
		KW	BTUH	COP	EER	KW	BTUH	L/S	CFM	L/S	CFM				
PTAC-1	McQUAY, SES-07	2.0	7000	3.4	11.6	2.0	6820	113.26	240	16.5	35	208/1	1, 5, 6, 7, 8, 9,	REFER TO PLAN	①
ACCESSORIES															
1 POWERED OUTSIDE AIR VENT AND DAMPER					7 EXTRUDED ANODIZED ALUMINUM ARCHITECTURAL OUTDOOR GRILLE					13 HARD-WIRE JUNCTION BOX					
2 REMOTE/WALL THERMOSTAT					8 CONDENSER BAFFLES					14 POWER DISCONNECT SWITCH					
3 REMOTE TEMPERATURE SENSOR					9 CONDENSATE DRAIN					15 CIRCUIT BREAKER					
4 CONDENSATE REMOVAL HEAT PUMP					10 KEY LOCK CONTROL COVER					16 FUSE HOLDER					
5 SUB-BASES ②					11 LEVELING LEGS					17 HYDRONIC HEAT					
6 WALL SLEEVES					12 ADJOINING ROOM DUCT TRANSITION					18 HYDRONIC HEAT CONTROL VALVES					
REMARKS:															
① WIDTH OF OUTDOOR GRILLE TO MATCH WIDTH OF ROOM WINDOW. PROVIDE INSULATED BLANK-OFF PANEL AT UNUSED PORTIONS.															
② SUB-BASES SHALL BE 8" HIGH.															


EXHAUST FAN (EF) SCHEDULE

MARK	MANUFACTURER, MODEL NUMBER	TYPE	AIR FLOW		ESP		MOTOR		FAN RPM	DRIVE TYPE	ELECTRICAL (VOLTS/ PHASE)	ACCESSORIES	① INTERLOCK/W	MTG. HGT.		OPENING		LOCATION	REMARKS
			L/S	CFM	Pa	IN WG	KW	HP						M	FT	MM	IN		
EF-2.3	COOK 120C10D	2	141	300	93	0.375	0.12	1/6	1041	DIRECT	120/1	1,9,13,14	T-STAT	ROOF	ROOF	610 SQ.	15.5 SQ	ROOF	STAIR VENT
TYPE												ACCESSORIES							
1	SIDEWALL PROPELLER	7	TUBE AXIAL	1	LOW-LEAKAGE MOTORIZED DAMPER	8	HANGING ISOLATORS												
2	ROOFTOP CENTRIFUGAL	8	VANE AXIAL	2	WEATHERHOOD	9	MANUFACTURER'S ROOF CURB												
3	SIDEWALL CENTRIFUGAL	9	WALL COLLAR	3	WALL COLLAR	10	INLET/OUTLET FLANGES												
4	INLINE CENTRIFUGAL	10	ROOFTOP HOODED AXIAL	4	INLET WIRE GUARD	11	SPECIAL COATING (SEE SPECIFICATIONS)												
5	UTILITY CENTRIFUGAL	11	ROOFTOP HOODED CENTRIFUGAL	5	MOTOR WIRE GUARD	12	MANUFACTURER'S HOODED WALL CAP												
6	CABINET	12	ROOFTOP CENTRIFUGAL UPBLAST	6	MOTOR (OSHA) WIRE GUARD	13	SPEED CONTROLLER ②												
		13	OTHER (SEE SPECIFICATIONS)	7	BELT (OSHA) GUARD	14	DISCONNECT SWITCH												
REMARKS:																			
① SEE SPECIFICATION - SEQUENCE OF OPERATION.																			
② PERMANENTLY MARK BALANCE SPEED ON CONTROLLER.																			

I hereby certify this drawing was prepared by me or under my direct supervision and that I am a duly registered architect under the laws of the State of Minnesota.

For: Mead & Hunt
By: 
Title: Project Manager
Registration No: 22452

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Revisions			
Symbol	Descriptions	Date	Approved
Architect:		Engineer:	
ARCHITECTURAL ALLIANCE MINNEAPOLIS, MINNESOTA		MEAD & HUNT MADISON, WISCONSIN	U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA
Designed by:		MINNEAPOLIS—ST.PAUL AFR MINNESOTA	
KAS		CONSOLIDATED LODGING FACILITY — PHASE FOUR —	
Drawn by:		MECHANICAL SCHEDULES	
JET			
Checked by:			
KAS			
Reviewed by:		Plot Scale Ratio:	Date:
		Design File: 10058m708.dwg	JUNE 2003
Submitted by:		Spec. No.: DACA 45-03-B-003	Sheet reference number:
		Contract No.: DACA 45-03-X-XXX	AF 721-315-04 M7.8